

What is claimed is:

1. A non-magnetic one-component toner, comprising toner particles that have a volume-average particle size of 2 to 8 μm , a ratio of the volume-average particle size/number-average particle size of not more than 1.22, an average degree of roundness of not less than 0.92 and a Vickers hardness of not less than 13.5HV0.01 (10g).

2. A non-magnetic one-component toner of Claim 1, further comprising a post treatment agent having the same charging polarity as that of the toner particles.

3. A non-magnetic one-component toner of Claim 2, an addition of the post treatment agent is 0.05 - 10 parts by weight on the basis of 100 parts by weight of the toner particles.

4. A non-magnetic one-component toner of Claim 1, in which the toner particles are prepared by a wet-type granulation method.

5. A non-magnetic one-component toner of Claim 1, in which the toner particles are prepared by an emulsion polymerizing coagulation method.

6. A non-magnetic one-component toner of Claim 1, in which the ratio of the volume-average particle size/number-average particle size is 1.15 or less.

7. A non-magnetic one-component toner of Claim 1, in which the average degree of roundness is 0.94 or more.

8. A non-magnetic one-component toner of Claim 1, in which the Vickers hardness is 15.0HV0.01 (10g) or more.

9. A non-magnetic one-component contact developing device, comprising:

a tone-supplying unit, which houses a non-magnetic one-component toner, comprising toner particles that have a volume-average particle size of 2 to 8 μm , a ratio of the volume-average particle size/number-average particle size of not more than 1.22, an average degree of roundness of not less than 0.92 and a Vickers hardness of not less than 13.5HV0.01 (10g),

a toner-supporting member, which is made in contact with an image supporting member so that an electrostatic latent image on the image supporting member is developed,

a toner-regulating member, which forms a thin toner layer on the toner-supporting member.

10. A non-magnetic one-component contact developing device of Claim 9, in which the toner-supporting member is made in elastic form.

11. A non-magnetic one-component contact developing device of Claim 9, in which the toner contains a post treatment agent having the same charging polarity as that of the toner particles.

12. A non-magnetic one-component contact developing device of Claim 9, in which the toner particles are prepared by a polymerization method.

13. An image-forming apparatus, comprising:

an image-supporting member,

a charger, which uniformly charges the image-supporting member,

a latent-image-forming device, which forms electrostatic latent images on the charged image-supporting member, and

a developing device, which develops the electrostatic latent images in contact with a non-magnetic one-component toner,

the non-magnetic one-component toner comprising toner particles that have a volume-average particle size of 2 to 8 μm , a ratio of the volume-average particle size/number-average particle size of not more than 1.22, an average degree of roundness of not less than 0.92 and a Vickers hardness of not less than 13.5HV0.01 (10g).

14. An image-forming apparatus of Claim 13, further comprising a transferring device which transfers toner-images to a transferring member, so that it is made possible to successively charge the image-supporting member by the charging system without through a cleaning process of residual toner.

15. An image-forming apparatus of Claim 14, in which the charger charges the image-supporting member by a charging member in contact with the image-supporting member.

16. An image-forming apparatus of Claim 15, in which the charging member is a charging roller provided with a fur brush.

17. An image-forming apparatus of Claim 13, in which the toner contains a post treatment agent having the same charging polarity as that of the toner particles.

18. An image-forming apparatus of Claim 13, in which

the latent-image-forming device is an exposser.

19. An image-forming apparatus of Claim 13 for full color, comprising a plurality of image-supporting members and developing devices corresponding to each basic color.

20. An image-forming apparatus of Claim 13, further comprising an intermediate transferring member on which toner formed on the image-supporting member is temporarily transferred.